



2005

Preliminary Survey of Rattlesnake Brook

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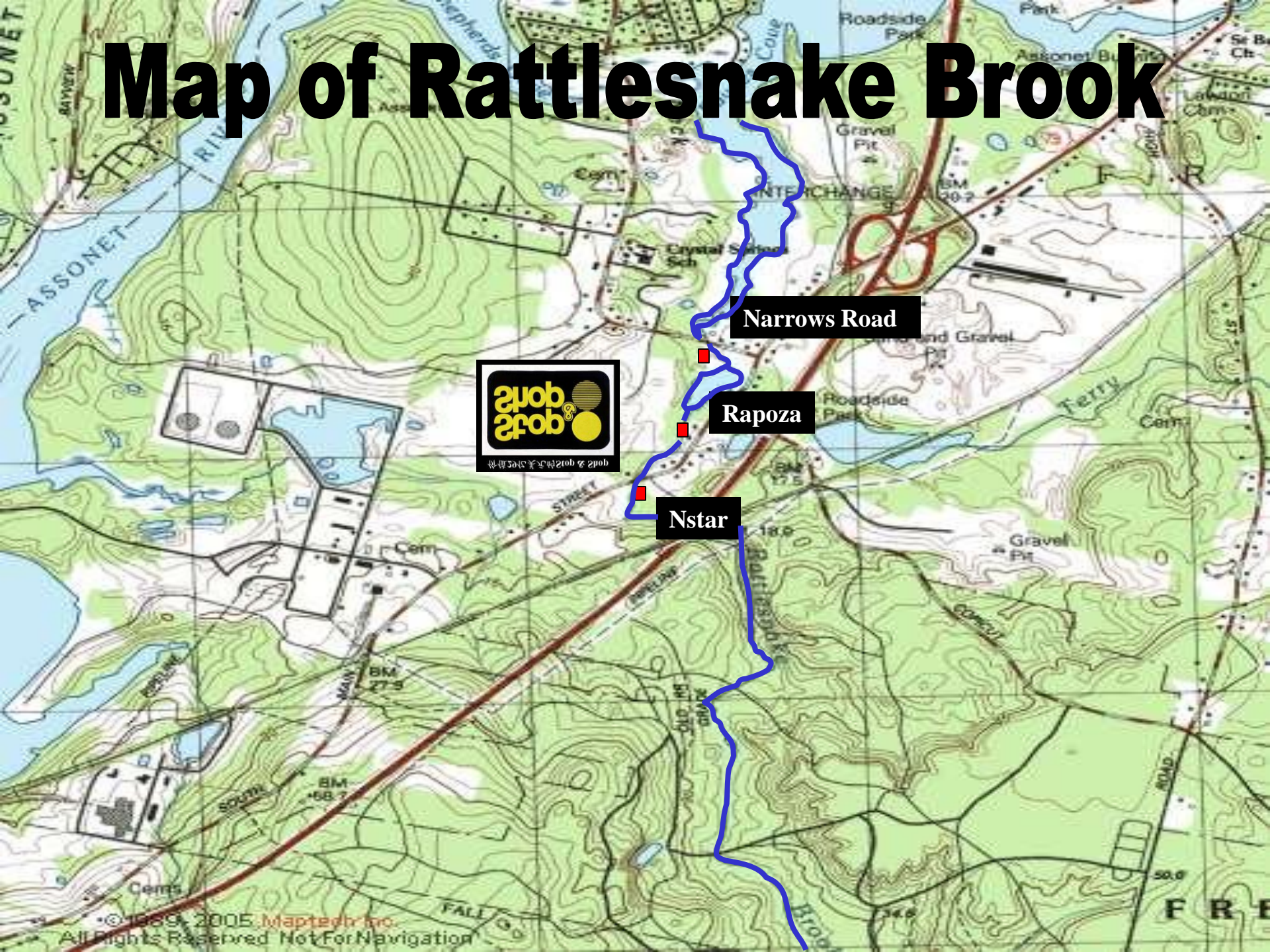
Preliminary Survey of Rattlesnake Brook

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NStar



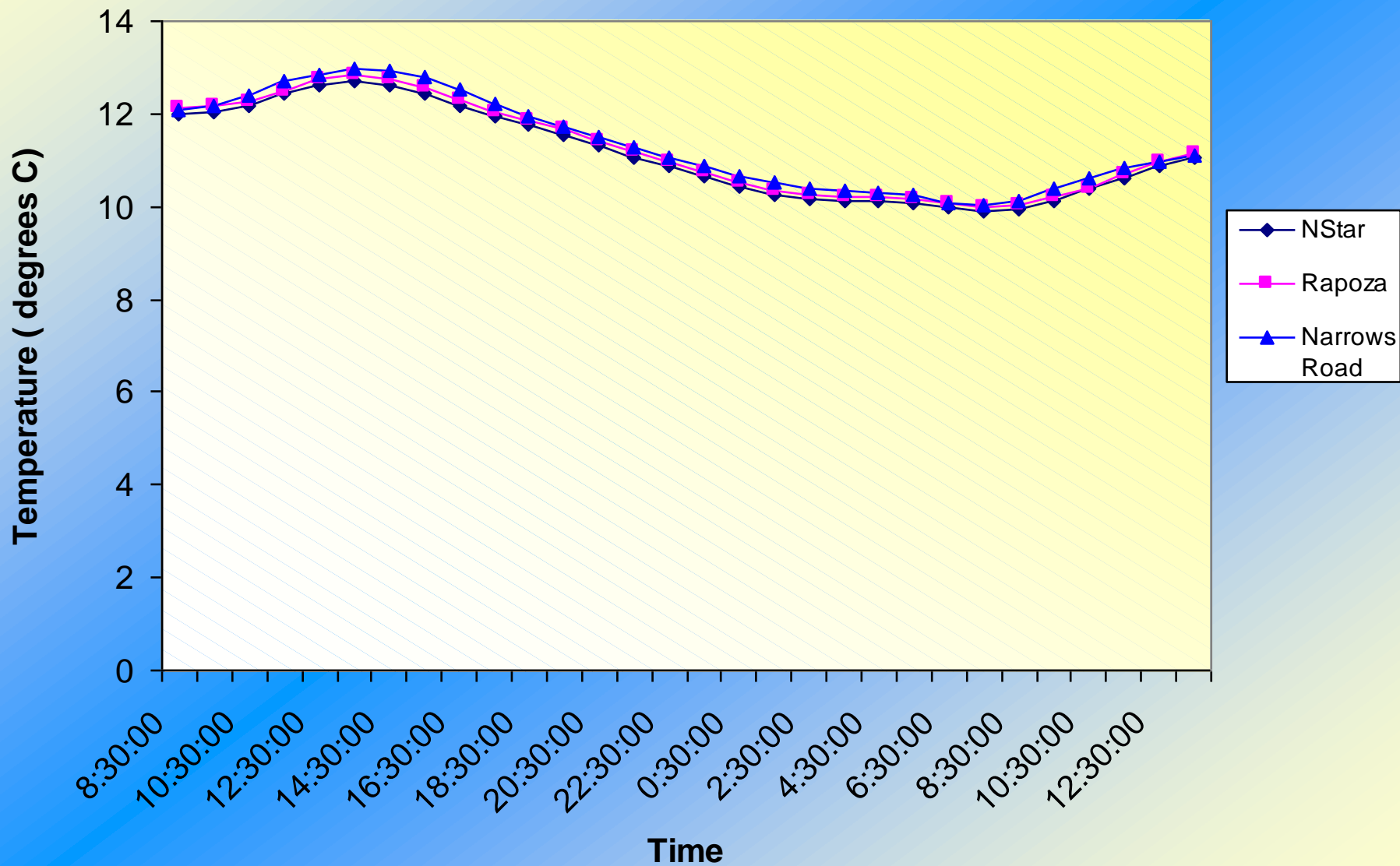
Map of Rattlesnake Brook



Rapoza



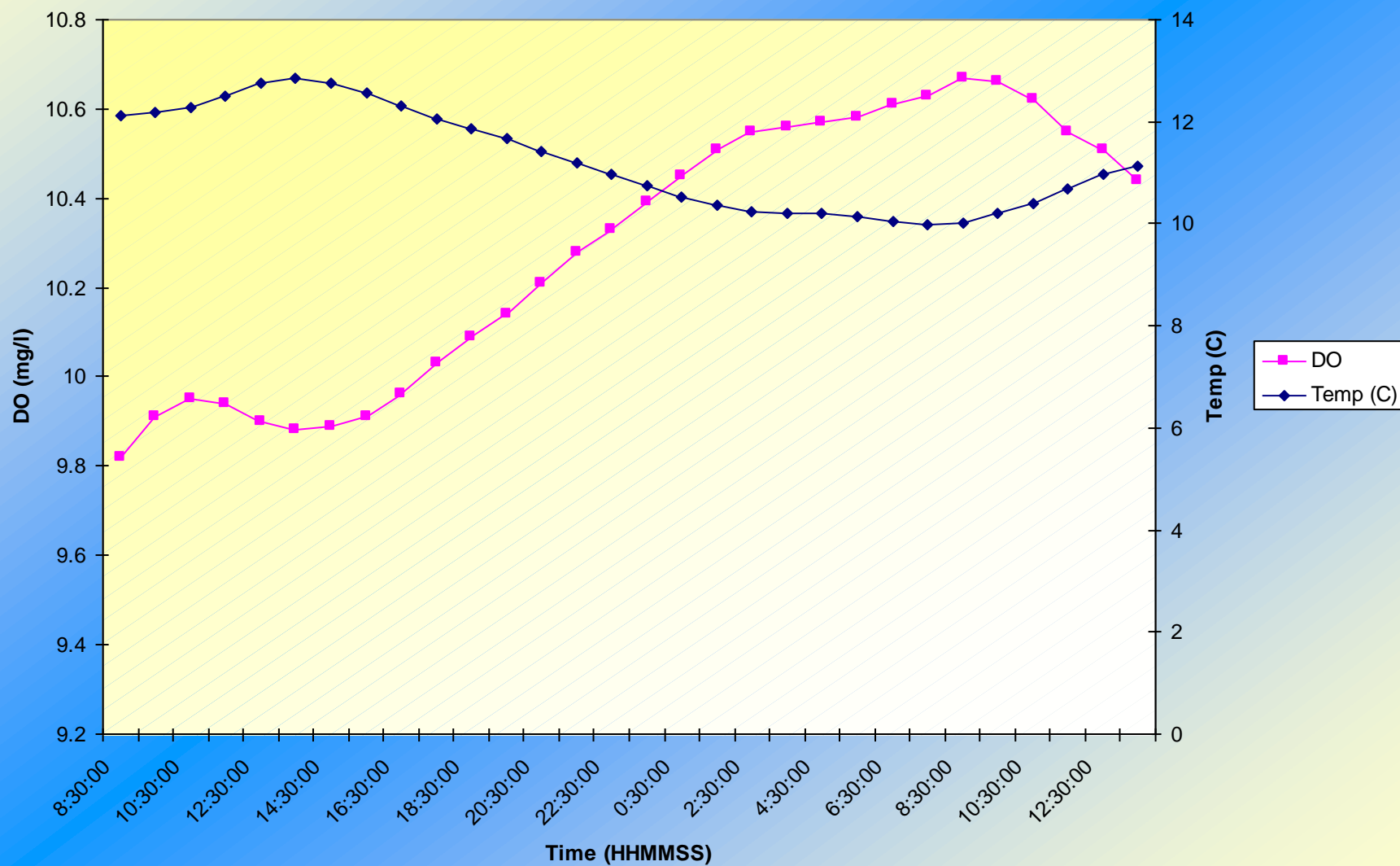
Temperature vs. Time, Rattlesnake Brook on November 7th, 2005



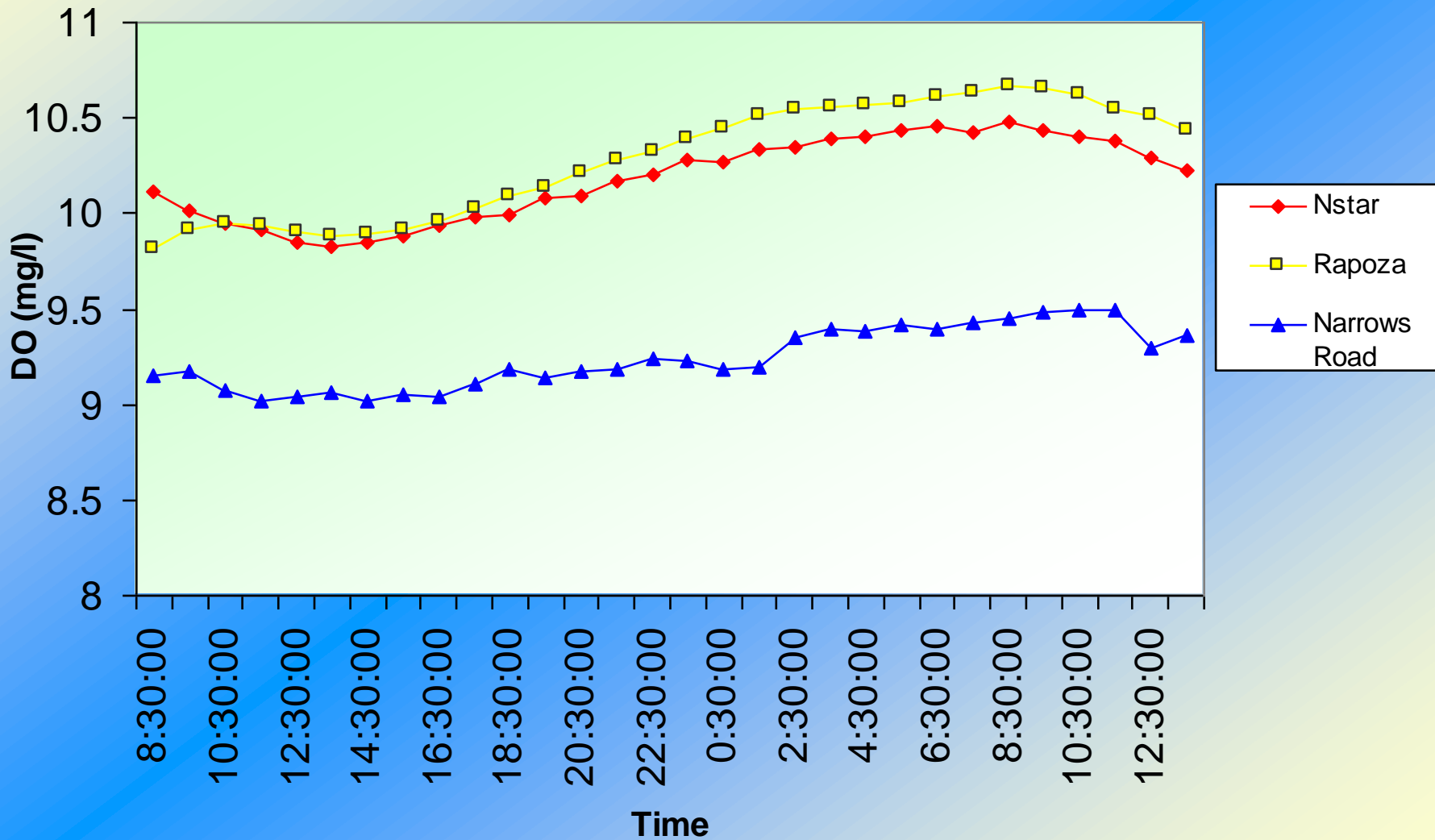
Narrows Road



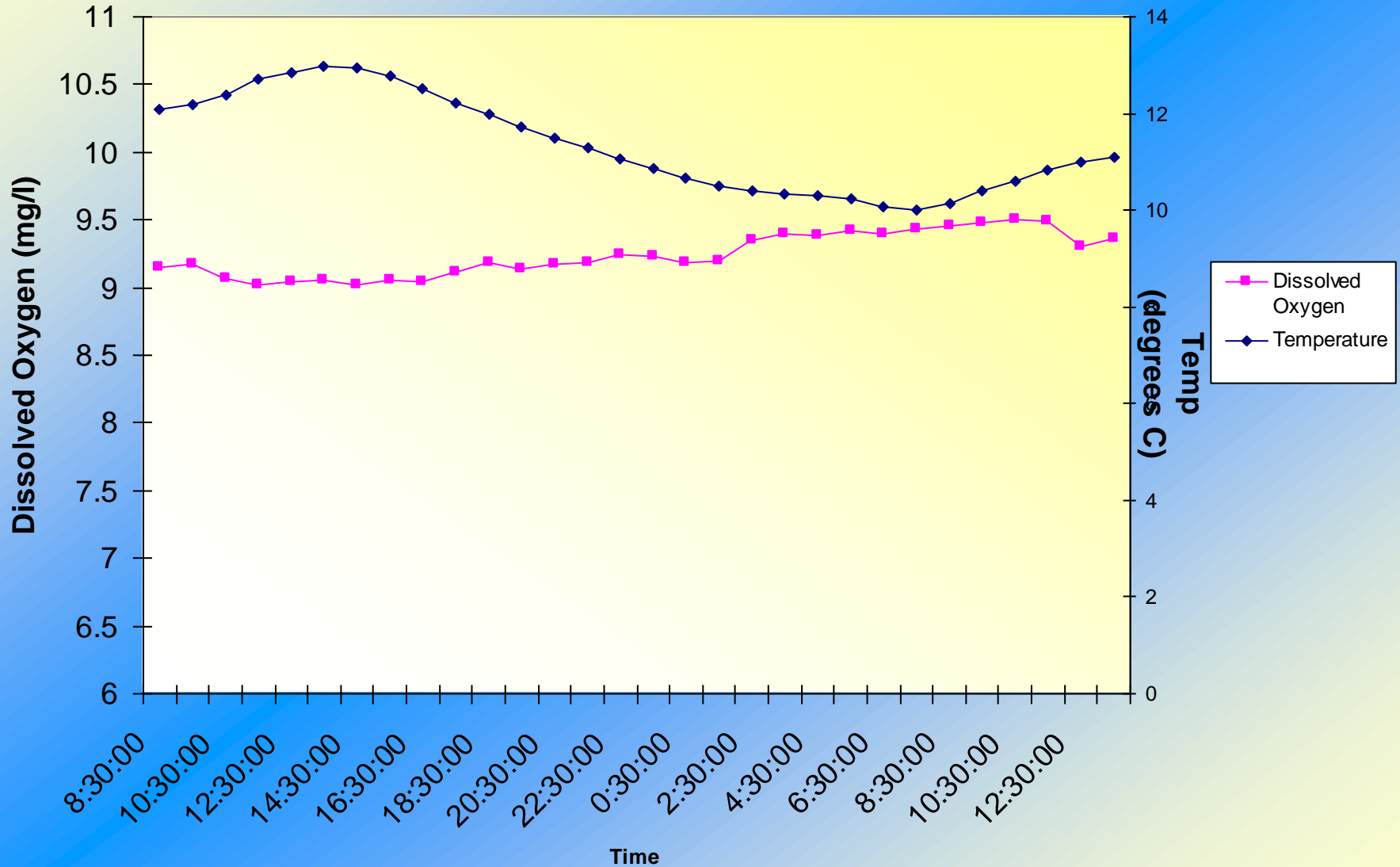
Dissolved Oxygen + Temperature vs. Time, Rattlesnake Brook, Rapoza, November 7-8, 2005



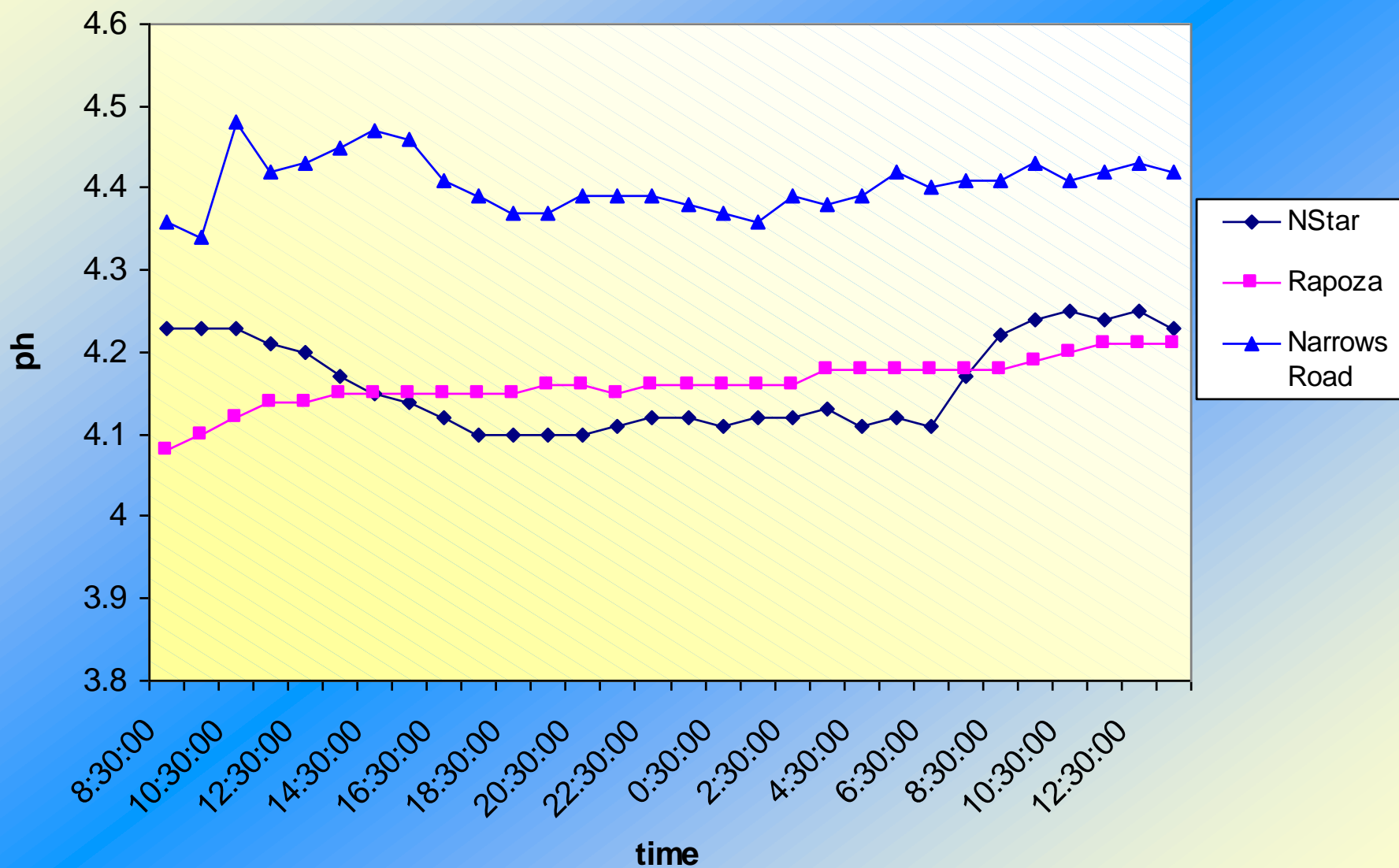
Dissolved Oxygen vs Time, Rattlesnake Brook on November 7th, 2005



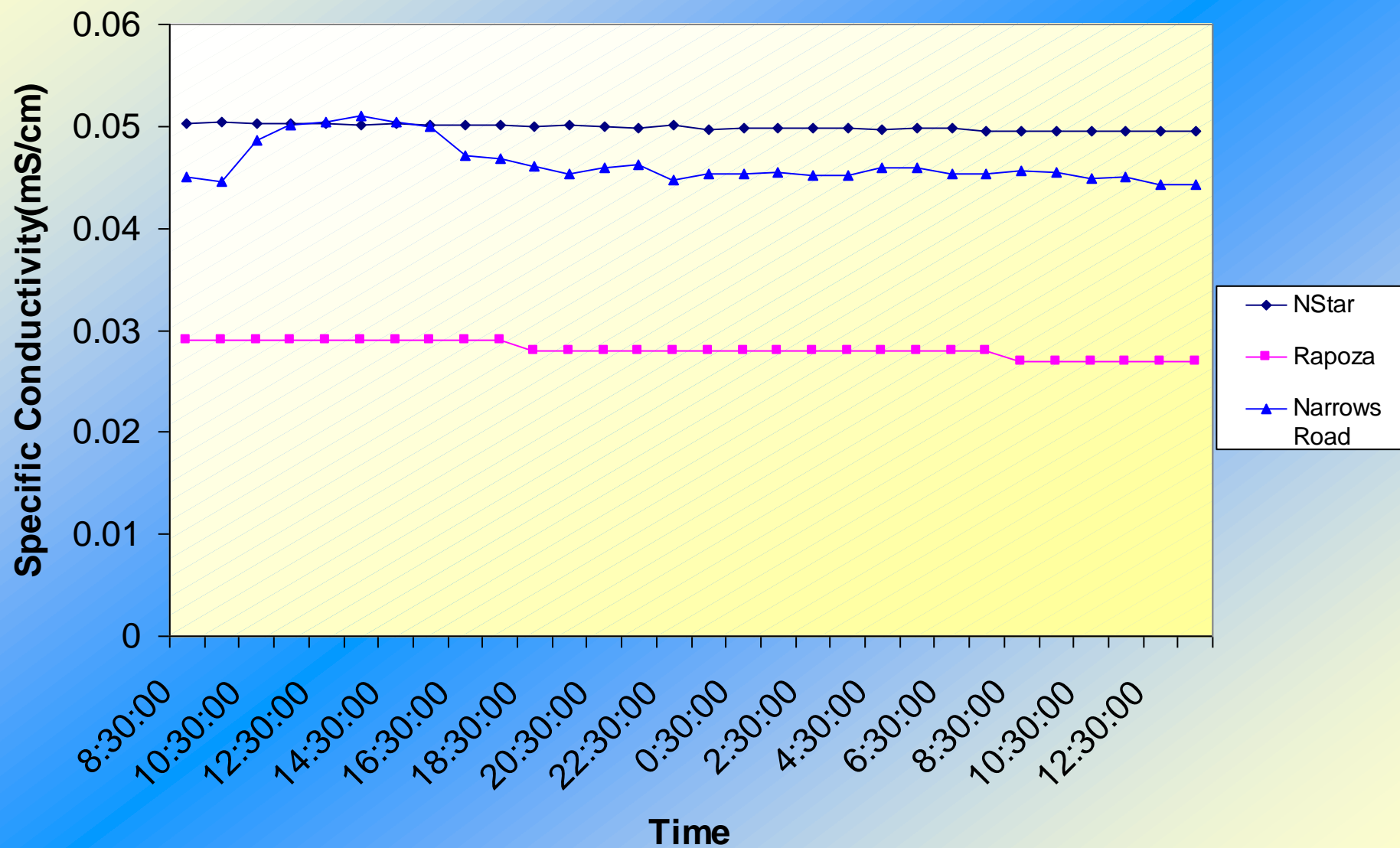
Dissolved Oxygen and Temperature vs Time, Narrows Road, November 7-8, 2005



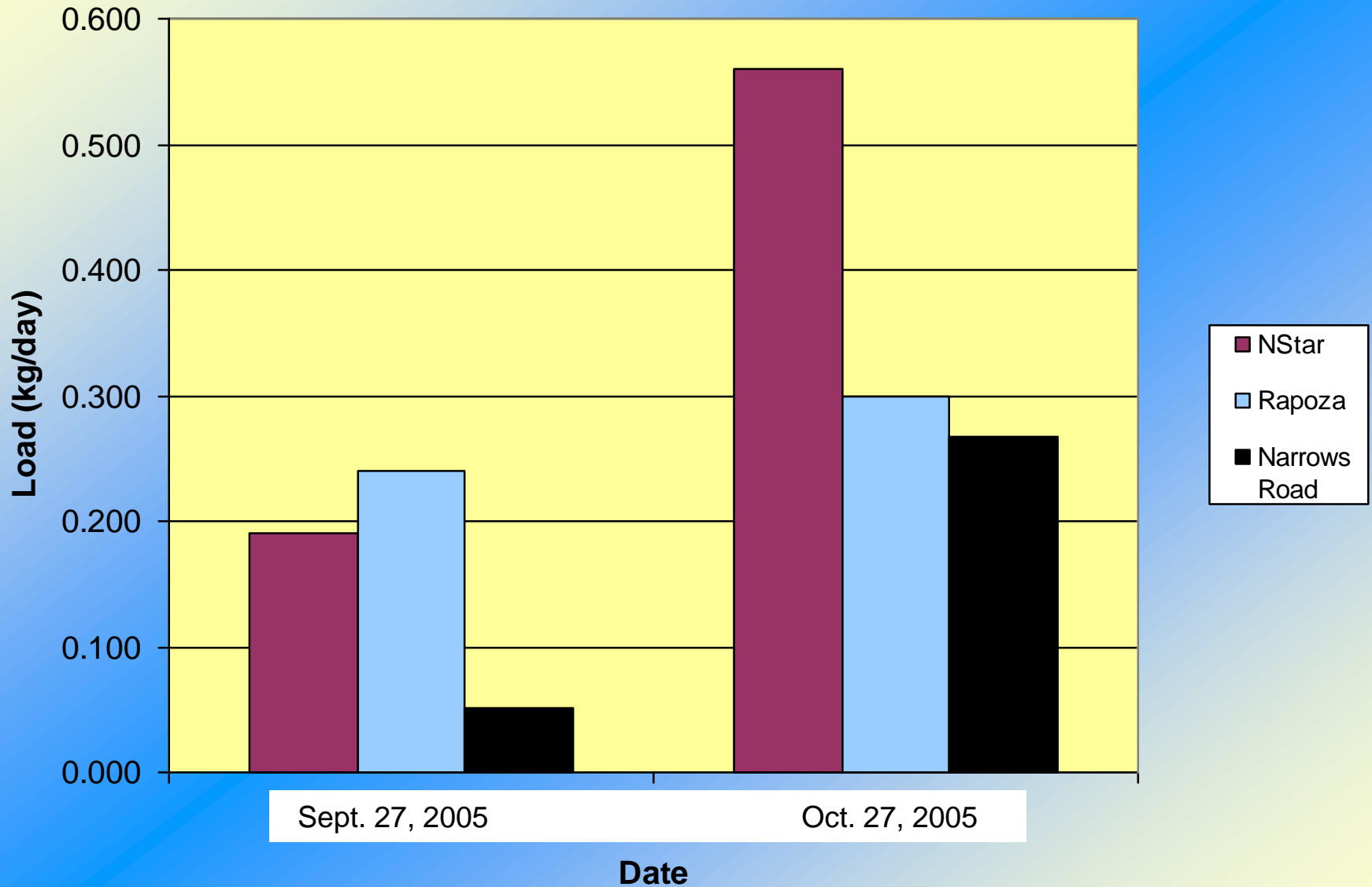
pH vs Time, Rattlesnake, November 7th 2005



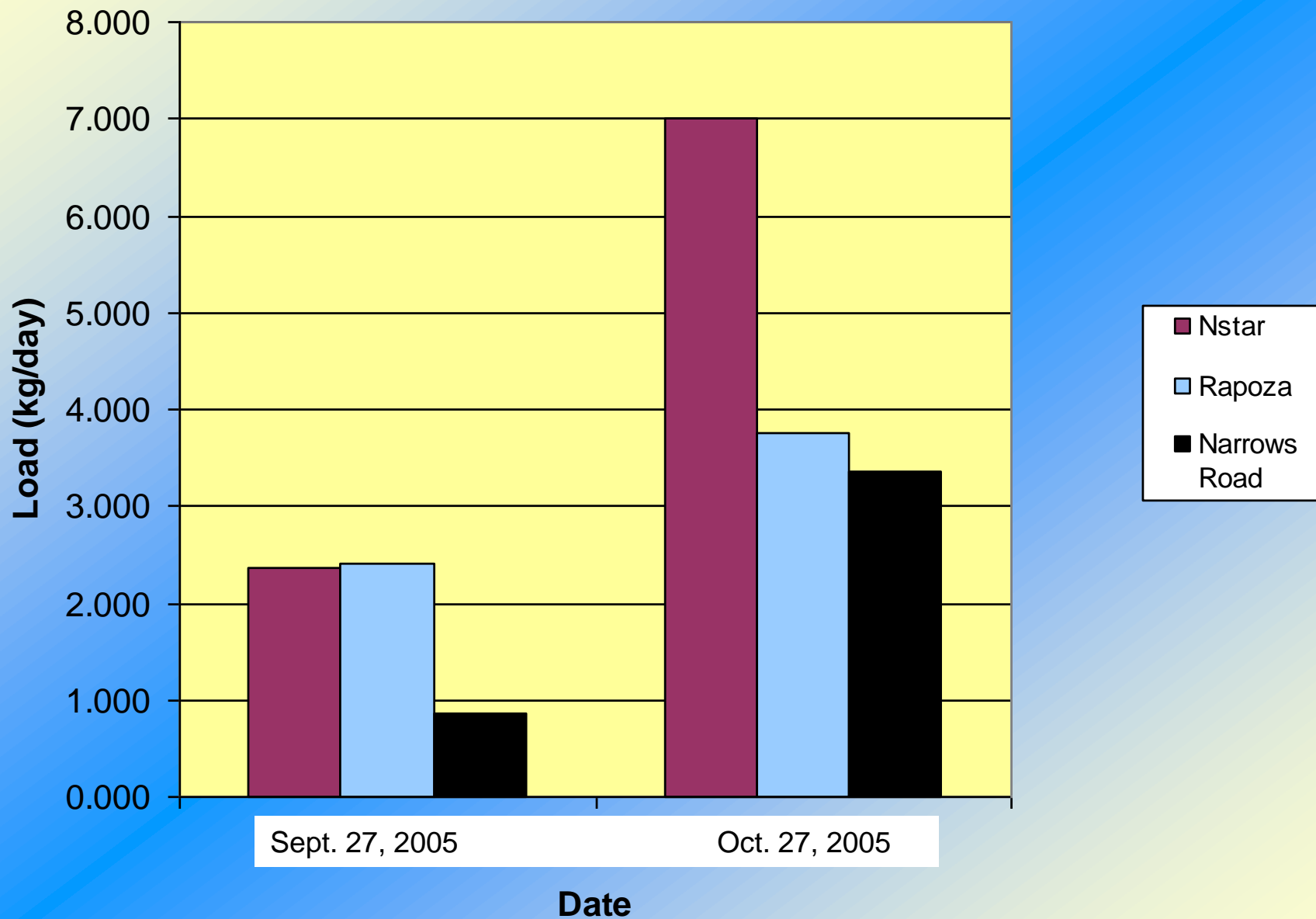
Specific Conductivity vs Time, Rattlesnake Brook on November, 7th 2005



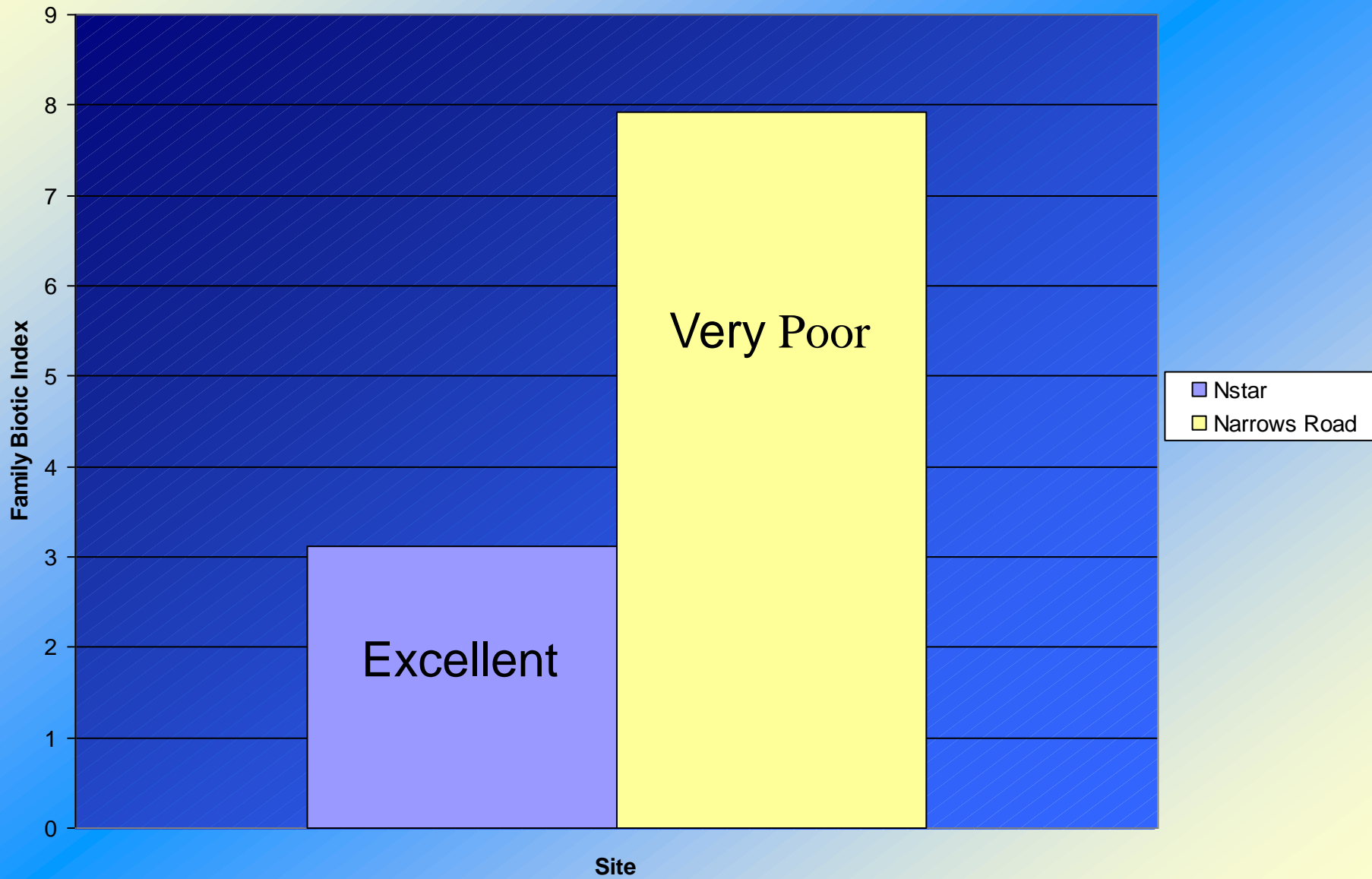
Reactive Phosphorus Load for September 27, 2005 and October 27, 2005



Nitrate Load for September 27, 2005 and October 27, 2005



Comparison of Family Biotic Index on Rattlesnake Brook



Macroinvertebrate Samples

(NStar, Rattlesnake Brook)

Trichoptera	
Hydropsychidae	36
Limnephilidae	1
Philopotamidae	1
Rhyacophilidae	1
Diptera	
Chironomidae	1
Odonata	
Calopterygidae	1
Corduliidae	4
Hemiptera	
Veliidae	1
Megaloptera	
Corydalidae	12
Lepidoptera	
Pyralidae	1
Coleoptera	
Elmidae	3

Trichoptera Rhyacophilidae



Rare Species

Macroinvertebrate Samples
(Narrows Road, Rattlesnake Brook)

Trichoptera	
Hydropsychidae	1
Polycentropodidae	1
Coleoptera	
Elmidae	1
Amphipoda	129
Isopoda	1
% Tolerant	98
% Intolerant	1

Conclusion

- Water Quality is good because of our Macroinvertebrate study
- Possibly due to Habitat changes from site to site
- Does Stop and Shop affect the Water Quality at all?